DATA SHEET

3Com® SuperStack® 3 Switch 4924 and SuperStack 3 Switch 4950

Key Benefits

XRN Technology
3Com XRN™ (eXpandable Resilient Networking) technology allows implementation of high availability configurations using two interconnected 3Com® SuperStack® 3 Switch 4924s or Switch 4950s, scaling the backbone to 48 wirespeed Gigabit Layer 3 switching ports.

Performance
3Com's custom ASIC architecture delivers 56 Gbps of multilayer switching capacity provides wirespeed performance across all ports, with a forwarding rate of more than 40 Mpps, minimizing network congestion. The use of XRN Technology intelligent forwarding can scale the performance of two units to 96 Gbps.

Affordability
The SuperStack 3 Switch 4900 family of fixed configuration managed switches provides unmatched value and industry leading performance without compromise, enhanced further with the pay-as- you grow capabilities of XRN technology.

Advanced Network Control
Advanced Layer 2 and Layer 3 functionality such as multicast filtering, virtual LANs, and multilayer traffic classification and prioritization improve traffic control across the network. Web traffic can also be automatically redirected to a 3Com SuperStack 3 Webcache device, improving web performance and easing network administration

High Availability
Robust availability features include link aggregation, support for Rapid Spanning Tree, Redundant Power Supply system, and e-mail or pager status notification, ensuring maximum uptime for critical applications.

Layer 3 Switching
Layer 3 switching capabilities such as support for IP unicast routing using static routes, OSPF*, RIP/RIPv2, CIDR, and UDP Helper, enhance performance, provide network control and security, and enable logical network segmentation.

Advanced Security Capabilities
Security features such as RADIUS client support and Routed Access Control Lists ensure authorized user access to network resources. Application Filtering enables the switch to identify and discard unauthorized applications from consuming network bandwidth.

Powerful Management
3Com Network Supervisor (trial copy included) discovers, maps, monitors, and issues alerts for easy network administration. An intuitive interface eases network-wide setup of switch traffic prioritization.

Lifetime Limited Warranty
Ensures peace of mind. Includes fans and power supplies. See www.3com.com/warranty for details.

* With purchase of optional Advanced Feature License, 3C1770V40

The SuperStack 3 Switch 4900 family offers a unique combination of performance,flexibility, and features, setting new standards for Gigabit Ethernet switching

Enjoy next-generation Gigabit switching performance in the data center or desktop with the SuperStack 3 Switch 4924 and Switch 4950. The SuperStack 3 Switch 4924 and Switch 4950 are based on a 3Com-developed advanced switching ASIC architecture, which delivers 56 Gbps switching performance for demanding enterprise applications. Each switch delivers non-blocking Layer 2 and Layer 3 Gigabit Ethernet switching across a maximum of 28 Gigabit ports, forwarding at speeds in excess of 41 Mpps with zero packet loss.

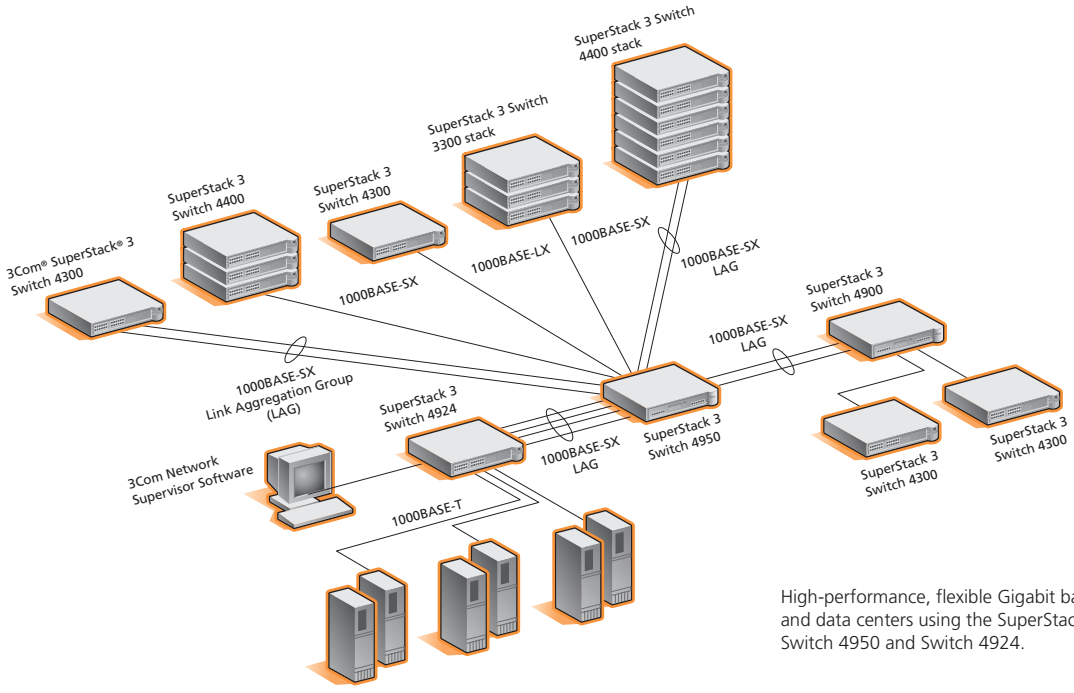
In addition, like the rest of the Superstack 3 Switch 4900 family, the Switch 4924 and Switch 4950 also provide an expansion slot designed to accommodate a diverse variety of Gigabit media using the Switch 4900 family expansion modules and 3Com GBICs.

Part of the SuperStack 3 Switch 4900 family, both switches provide support for Layer 3 switching for IP networks, enabling a wide array of services, such as unicast IP routing, UDP Helper, IP multinetting and Access Control Lists based on IP addresses that can be used to provide enhanced control and security across a Layer 3 switching implementation.

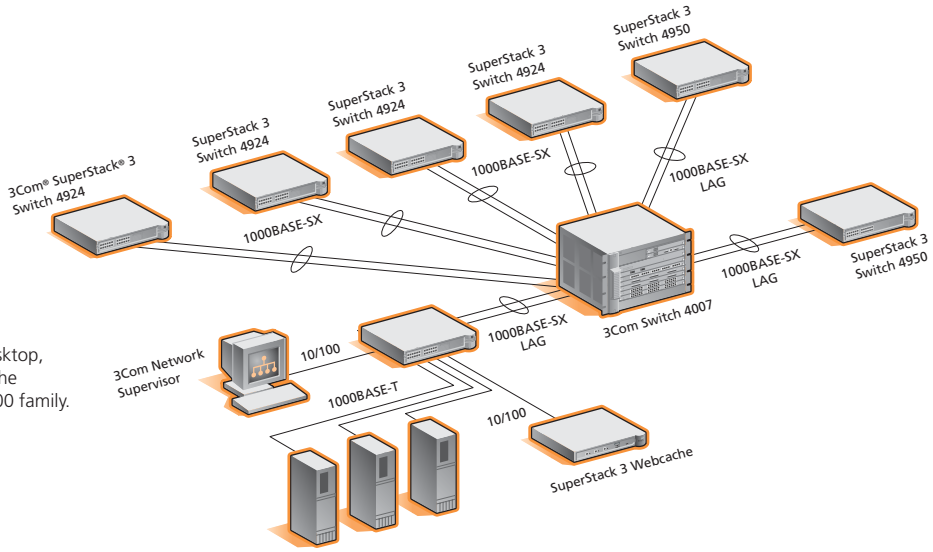
Ease configuration and management, through support for IP addressing using a DHCP client, RMON event notification via an integrated e-mail client, Rapid Spanning Tree support, Auto-MDIX and Smart Autosensing.

The SuperStack 3 Switch 4924 and Switch 4950 also supports transparent webcache redirection to the SuperStack 3 Webcache appliances, for more efficient use of Internet bandwidth and enhanced web performance.

Their unique combination of performance, flexibility, and features set new standards for Gigabit Ethernet switching, enabling you to alleviate performance bottlenecks across the infrastructure, and enjoy network control through rich Layer 2 and Layer 3 switching—without compromise.



High-performance, flexible Gigabit backbones and data centers using the SuperStack 3 Switch 4950 and Switch 4924.



Future proofing using end-to-end Gigabit connectivity from the backbone to the desktop, for bandwidth intensive networks, using the Switch 4007 and SuperStack 3 Switch 4900 family.

Flexible, High-Performance Switching for the Data Center or Desktop

The 3Com SuperStack 3 Switch 4924 and SuperStack 3 Switch 4950 are flexible, high-performance switches that alleviate performance bottlenecks across enterprise networks.

The SuperStack 3 Switch 4924 provides 24 fixed 10/100/1000 Copper ports in a feature rich, compact and affordable switching platform—ideal for a large server farm, desktop power users, or for aggregating 10/100 switches like the SuperStack 3 Switch 4400 in enterprise wiring closets.

The SuperStack 3 Switch 4924 is also ideal for desktop connectivity for users of bandwidth intensive applications such as engineering and scientific modelling, architectural drafting and CAD/CAM applications. The 10/100/1000 auto-sensing ports in the SuperStack 3 Switch 4924 provide easy migration from 10/100 Ethernet to Gigabit speeds, at a competitive price. So it's easy to future proof your network and leverage your existing Category 5 copper cabling while enjoying a ten-fold boost in performance.

The SuperStack 3 Switch 4950 delivers 24 wire speed fixed Gigabit ports in combination of 10/100/1000, 1000BASE-SX and GBIC. The media flexibility offered by the integrated GBIC ports, allows you to deploy additional Gigabit media such as 1000BASE-SX, 1000BASE-LX and 1000BASE-LH70 in the same platform. This flexibility makes the Switch 4950 an ideal data center or wiring closet aggregator for enterprise networks.

Both switches support 3Com Gigabit Multilayer Switching (GMS) software, offering advanced Layer 2 switching features such as traffic prioritization, VLANs, multicast filtering, and RMON, as well as Layer 3 switching features, including support for unicast IP routing supporting static routes, RIP/RIP2 and OSPF* and Access Control Lists. Their Class of Service capabilities are ideal for key business applications, such as multimedia, LAN telephony, database and inventory/purchase applications.

The SuperStack 3 Switch 4924 and Switch 4950 are part of 3Com's complete end-to-end Gigabit Ethernet solution set across all Gigabit media, delivering high performance at an affordable price.

* With purchase of optional Advanced Feature License, 3C1770V40

Specifications

All information in this section is relevant to both the SuperStack 3 Switch 4950 and Switch 4924 unless stated otherwise.

3Com SuperStack 3 Switch 4950 Connectors
12 autosensing 10/100/1000 ports, 6 fixed 1000BASE-SX ports (MT-RJ), 6 GBIC ports accommodating 1000BASE-SX, 1000BASE-LX GBICs or 1000BASE-LH70 GBICs

1 module slot accommodating Switch 4900 family expansion modules

Advanced Redundant Power System Type 3 connector

3Com SuperStack 3 Switch 4924 Connectors
24 fixed autosensing 10/100/1000 ports

1 module slot accommodating Switch 4900 family expansion modules

Advanced Redundant Power System Type 3 connector

Dimensions
Height: 6.6 cm (2.6 in)
Width: 44 cm (17.3 in)
Depth: 41 cm (16.3 in)
Weight:
Switch 4924: 6.3 kg (13.9 lb)
Switch 4950: 6.7 kg (14.8 lb)

Performance
41.6 million packets per second

Reliability
MTBF @ 40°C: 326,000 hours

Environmental Requirements
Operating temperature: 0° to 40°C (32° to 104°F)

Storage Temperature: -40° to +70°C (-40° to +158°F)

Operating Humidity: 10% to 90% relative humidity non-condensing

Standards: EN60068 (IEC68)

Safety Agency Certifications
UL60950, EN60950, CSA22.2 No. 60950, IEC 60950

Emissions
EN55022 Class A, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, AS/NZS 3548 Class A, CNS 13438 Class A

Immunity: EN55024

Heat Dissipation:
Switch 4924: 254 W maximum (870 BTU/hr maximum)
Switch 4950: 200 W maximum (683 BTU/hr maximum)

Power Supply
AC Line Frequency 50/60 Hz

Input Voltage Options 90-240 VAC

Current Rating 4.5A maximum

Switching Features/Functionality
802.1D

802.1Q VLAN Support

IGMP Snooping

Link Aggregation

SNMP Standards
SNMP Protocol (RFC 1157)

MIB-II (RFC 1213)

Bridge MIB (RFC 1493)

RMON MIB II (RFC2021)

Remote Monitoring MIB (RFC 1757)

Interface MIB (2233)

MAU MIB (RFC 2668)

Administration
UDP (RFC 768)

IP (RFC 791)

ICMP (RFC 792)

TCP (RFC 793)

ARP (RFC 826)

TFTP (RFC 783)

TELNET (RFC854)

BOOTP/DHCP (RFC1542)

HTTP (RFC2068)

Routing Protocols
RFC 1058 RIP

RFC 1519 CIDR

RFC 1723 RIP v2

RFC 2131 BootP/DHCP Relay

RFC 2328 OSPF Version 2*

RFC 1850 OSPF Version 2 MIB*

Management
3Com Network Supervisor (trial copy provided on accompanying CD)

Web interface

Command line interface management

SNMP compatibility

* With purchase of optional Advanced Feature License

Ordering Information

3Com SuperStack 3 Switch 4924	3C17701
3Com SuperStack 3 Switch 4950	3C17706

Optional Modules and Accessories

3Com XRN Interconnect Kit	3C17715
3Com 5m XRN Interconnect Cable	3C17722
3Com GMS v4.0 Advanced Feature License	3C1770V40
3Com SuperStack 3 Switch 4900 1000BASE-SX Module	3C17710
3Com SuperStack 3 Switch 4900 4-port 1000BASE-T Module	3C17711
3Com SuperStack 3 Switch 4900 4-port 1000BASE-LX module	3C17712
3Com SuperStack 3 Switch 4900 4-Port GBIC Module	3C17714

Optional Modules and Accessories, continued

3Com 1000BASE-SX GBIC	3CGBIC91
3Com 1000BASE-LX GBIC	3CGBIC92
3Com 1000BASE-LH70 GBIC (up to 70km)	3CGBIC97
3Com SuperStack Advanced Redundant Power System Chassis	3C16071B
3Com SuperStack Advanced Redundant Power System Type 3 325W	3C16075

Optional Network Management Packages

3Com Network Supervisor Advanced Package	3C15201
3Com Integration Kit for HP OpenView	3C15300

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To learn more about 3Com solutions, visit www.3com.com. 3Com Corporation is publicly traded on NASDAQ under the symbol COMS.

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